

contacting said biologically active ligand with a biological activity maintaining matrix adapted to immobilize said biologically active ligand upon said article of manufacture thereby forming an integral biological material identification system; and

exposing said integral biological material identification system to an environment; wherein contact with said particular toxic substance results in production of a visual indicator to confirm said contact.

Claim 16. A process in accordance with claim 15, wherein said biologically active ligand is placed and immobilized upon a substrate; said substrate being constructed and arranged to be releasably secured to said article of manufacture.

Claim 17. An article of manufacture selected from the group consisting of gloves, coats, shoes, hats, face masks, labels, envelopes, bags, pouches, and self-adherent patches for detecting the presence of a particular toxic substance comprising in combination:

a substrate constructed and arranged to be releasably securable to said article of manufacture, said substrate being located on at least a portion of said article;

a biologically active ligand capable of recognizing an epitope of the particular toxic substance on at least a portion of said substrate; and

a biological activity maintaining matrix adapted to immobilize said biologically active ligand upon said substrate;

wherein said ligand is constructed and arranged to produce a visual indicator upon recognition of said toxic substance.